

the second PDN connection request is for a multipath transmission control protocol (MPTCP) use. The node may be connected to an Access Point Name (APN) through the first packet data network (PDN) connection and the request for the second packet data network (PDN) connection is to the same Access Point Name (APN). The first packet data network (PDN) connection may be through a PDN gateway, and where the request for the second packet data network (PDN) connection is also through a PDN gateway.

**[0118]** An example embodiment may be provided in an apparatus comprising at least one processor; and at least one non-transitory memory including computer program code, the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus at least to: determine if a node has a first packet data network (PDN) connection; and accepting a request by the node for a second packet data network (PDN) connection based, at least partially, upon the node receipt of an indication that the second PDN connection request is for a multipath transmission control protocol (MPTCP) use.

**[0119]** The apparatus may be further configured to alternatively not accept the request based upon the node not indicating that the second PDN connection request is for a multipath transmission control protocol (MPTCP) use. The node may be connected to an Access Point Name (APN) through the first packet data network (PDN) connection and the request for the second packet data network (PDN) connection is to the same Access Point Name (APN). The first packet data network (PDN) connection may be through a PDN gateway, and where the request for the second packet data network (PDN) connection is also through a PDN gateway.

**[0120]** An example embodiment may be provided in a non-transitory program storage device, such as memory **246** for example, readable by a machine, tangibly embodying a program of instructions executable by the machine for performing operations, the operations comprising: determining if a node has a first packet data network (PDN) connection; and accepting a request by the node for a second packet data network (PDN) connection based, at least partially, upon receipt of an indication that the second PDN connection request is for a multipath transmission control protocol (MPTCP) use.

**[0121]** An example embodiment may be provided in an apparatus comprising means for determining if a node has a first packet data network (PDN) connection; and means for accepting a request by the node for a second packet data network (PDN) connection based, at least partially, upon receipt of an indication that the second PDN connection request is for a multipath transmission control protocol (MPTCP) use.

**[0122]** Referring also to FIG. 9, an example method may comprise determining if a request by a node for a second packet data network (PDN) connection is for a multipath transmission control protocol (MPTCP) use as indicated by block **108**, where the node has a first packet data network (PDN) connection through a first gateway; and selecting a second gateway for the second packet data network (PDN) connection based, at least partially, upon a determination that the request is for the multipath transmission control protocol (MPTCP) use as indicated by block **110**, where the selecting of the second gateway avoids selection of the first gateway as the second gateway. FIG. 11 illustrates an example method for establishing a second PDN connection

**42** when the UE already has a first PDN connection **40**. The UE makes a request **44** to add a PDN connection. The network makes a gateway selection, such as a same gateway or another gateway from a pool of gateways and indicates the gateway selection. The authentication procedures involve the AAA functionality. The UE may receive a rejection if the request is rejected (perhaps with a cause indication), or may receive an acknowledgement with an IP address configuration if the request is accepted as indicated by **46**.

**[0123]** The node may be connected to an Access Point Name (APN) through the first packet data network (PDN) connection and the request for the second packet data network (PDN) connection is to the same Access Point Name (APN). The first packet data network (PDN) connection may be through a PDN gateway, and where the request for the second packet data network (PDN) connection is also through a PDN gateway.

**[0124]** An example embodiment may be provided in an apparatus comprising at least one processor; and at least one non-transitory memory including computer program code, the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus at least to: determine if a request by a node for a second packet data network (PDN) connection is for a multipath transmission control protocol (MPTCP) use, where the node has a first packet data network (PDN) connection through a first gateway; and select a second gateway for the second packet data network (PDN) connection based, at least partially, upon a determination that the request is for the multipath transmission control protocol (MPTCP) use, where the selecting of the second gateway avoids selection of the first gateway as the second gateway.

**[0125]** The node may be connected to an Access Point Name (APN) through the first packet data network (PDN) connection and the request for the second packet data network (PDN) connection is to the same Access Point Name (APN). The first packet data network (PDN) connection may be through a PDN gateway, and where the request for the second packet data network (PDN) connection is also through a PDN gateway.

**[0126]** An example embodiment may be provided in a non-transitory program storage device, such as memory **246** for example, readable by a machine, tangibly embodying a program of instructions executable by the machine for performing operations, the operations comprising: determining if a request by a node for a second packet data network (PDN) connection is for a multipath transmission control protocol (MPTCP) use, where the node has a first packet data network (PDN) connection through a first gateway; and selecting a second gateway for the second packet data network (PDN) connection based, at least partially, upon a determination that the request is for the multipath transmission control protocol (MPTCP) use, where the selecting of the second gateway avoids selection of the first gateway as the second gateway.

**[0127]** An example embodiment may be provided in an apparatus comprising means for determining if a request by a node for a second packet data network (PDN) connection is for a multipath transmission control protocol (MPTCP) use, where the node has a first packet data network (PDN) connection through a first gateway; and means for selecting a second gateway for the second packet data network (PDN) connection based, at least partially, upon a determination